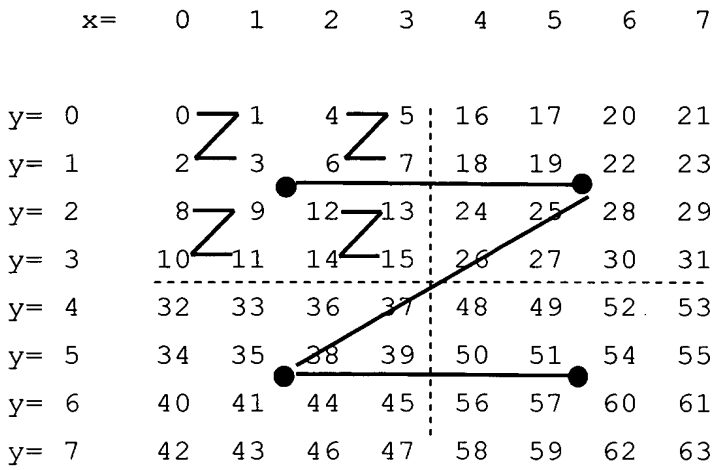
x= 0 1 2 3 4 5 6 7
y= 0 0 1 4 5 16 17 20 21
y= 1 2 3 6 7 18 19 22 23
y= 2 8 9 12 13 24 25 28 29
y= 3 10 11 14 15 26 27 30 31
y= 4 32 33 36 37 48 49 52 53
y= 5 34 35 38 39 50 51 54 55
y= 6 40 41 44 45 56 57 60 61
y= 7 42 43 46 47 58 59 62 63

Fig. 1a

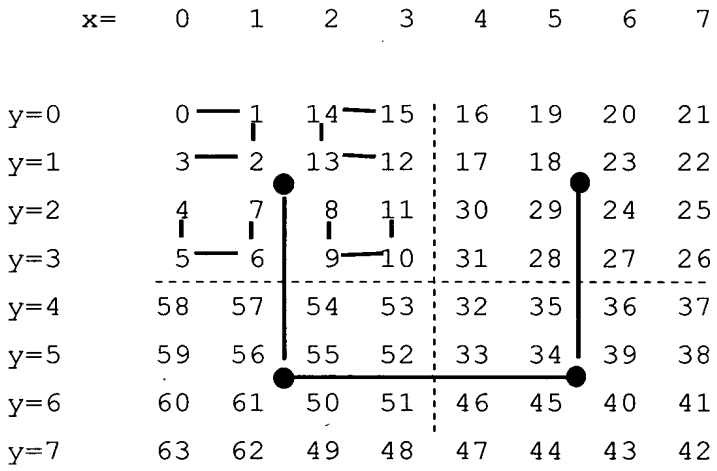
x= 0 1 2 3 4 5 6 7
y=0 0 1 14 15 16 19 20 21
y=1 3 2 13 12 17 18 23 22
y=2 4 7 8 11 30 29 24 25
y=3 5 6 9 10 31 28 27 26
y=4 58 57 54 53 32 35 36 37
y=5 59 56 55 52 33 34 39 38
y=6 60 61 50 51 46 45 40 41
y=7 63 62 49 48 47 44 43 42

Fig. 2

	x= 0	1	2	3	4	5	6	7
y= 0	0	1	4	5	16	17	20	21
y= 1	2	3	6	7	18	19	22	23
y= 2	8	9	(12	13)	24	25	28	29
y= 3	10	11	(14	15)	26	27	30	31
y= 4	32	33	(36	37)	48	49	52	53
y= 5	34	35	(38	39)	50	51	54	55
y= 6	40	41	44	45	56	57	60	61
y= 7	42	43	46	47	58	59	62	63

Fig. 1b

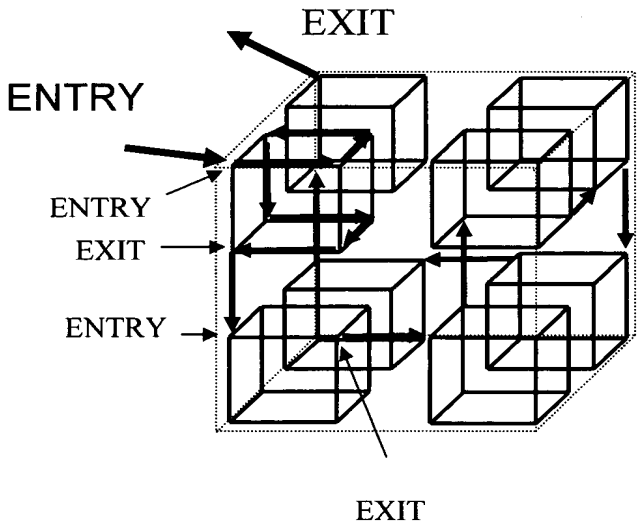

Fig. 3

Expl.1	Expl.2:	Expl.3:	Expl.4:	Expl.5:
		f: 101		
0: 00	0: 000	0: 101	0: 011	0: 100
1: 01	1: 001	1: 100	1: 001	1: 110
2: 11	2: 011	2: 110	2: 101	2: 111
3: 10	3: 010	3: 111	3: 111	3: 011
	4: 110	4: 011	4: 110	4: 001
	5: 111	5: 010	5: 100	5: 000
	6: 101	6: 000	6: 000	6: 011
	7: 100	7: 001	7: 010	7: 101

Fig. 4

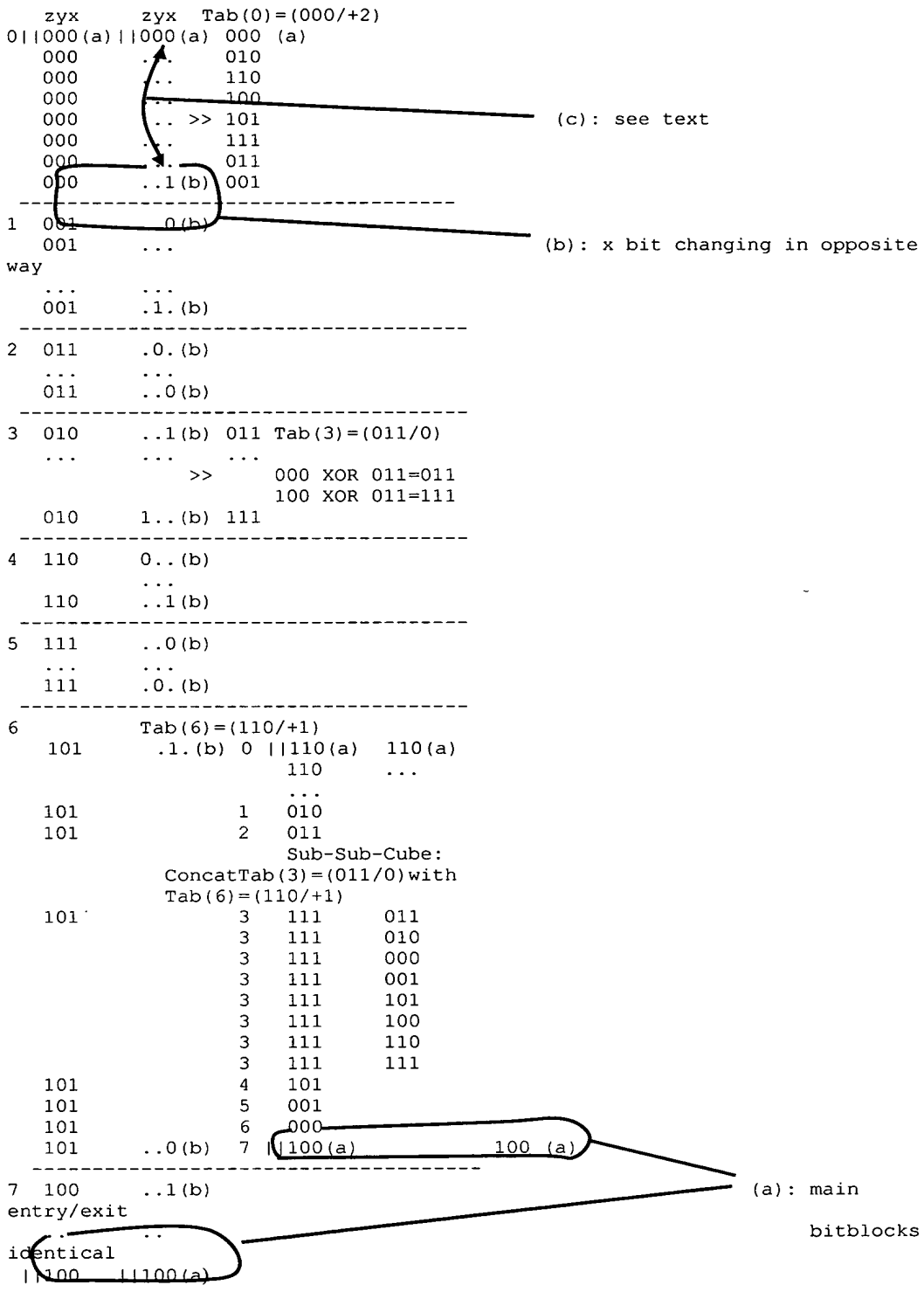
zyx zyx Tab(0)=(000/+2)
0||000(a)||000(a) 000 (a)
000 ... 010
000 ... 110
000 ... 100
000 .. >> 101
000 ... 111
000 ... 011
000 ..1(b) 001
1 001 0(b)
001 ...
(c): see text
(b): x bit changing in opposite
way
... ...
001 .1.(b)
2 011 .0.(b)
... ...
011 ..0(b)
3 010 ..1(b) 011 Tab(3)=(011/0)
... ...
>> 000 XOR 011=011
100 XOR 011=111
010 1..(b) 111
4 110 0..(b)
...
110 ..1(b)
5 111 ..0(b)
... ...
111 .0.(b)
6 Tab(6)=(110/+1)
101 .1.(b) 0 ||110(a) 110(a)
110 ...
...
101 1 010
101 2 011
Sub-Sub-Cube:
ConcatTab(3)=(011/0)with
Tab(6)=(110/+1)
101 3 111 011
3 111 010
3 111 000
3 111 001
3 111 101
3 111 100
3 111 110
3 111 111
101 4 101
101 5 001
101 6 000
101 ..0(b) 7 ||100(a) 100 (a)
7 100 ..1(b)
(a): main
entry/exit
.. ..
bitblocks
identical
||100 ||100(a)

Fig. 5

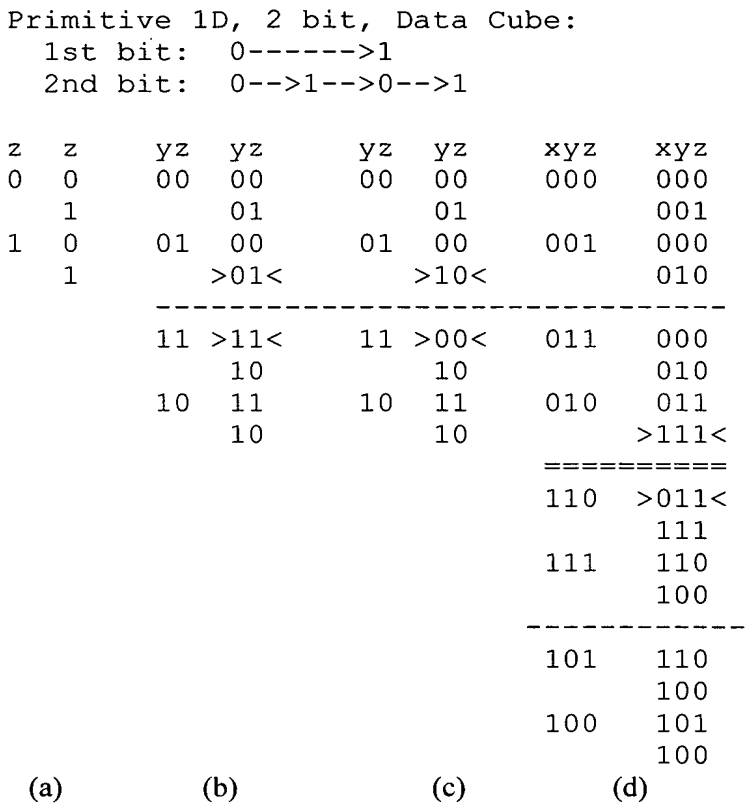
Primitive 1D, 2 bit, Data Cube:
1st bit: 0------>1
2nd bit: 0-->1-->0-->1
z z yz yz yz yz xyz xyz
0 0 00 00 00 00 000 000
1 01 01 001
1 0 01 00 01 00 001 000
1 >01< >10< 010
11 >11< 11 >00< 011 000
10 010
10 11 10 11 010 011
10 10 >111<
110 >011<
111
111 110
100
101 110
100
100 101
100
(a)
(b)
(c)
(d)

Fig. 6